BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name Of Work: Modified Estimate for Construction of Public sitting flatform of Karekallu, Sidedahalli, Manjunatha Nagara, BTS Extn., Aralikatty & Mutturaya katty 12th cross in Bagalagunte Ward No 14

EST.COST: 45.21 Lakhs

JOB Code: 014-20-000010

BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Dasarahalli sub division

MODIFIED ESTIMATE FOR THE WORK :	Construction of Public Sitting flatform of Karekallu, Sidedahalli, Manjunatha Nagara , BTS Extn. Aralikatty & Mutturaya Katty 12th cross in Bagalagunte Ward No.14
Estimated Cost	4521894.47

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
1	Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.								
		Cum							
			Not executed						
							0.00	137	0
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications								
		Cum							
	Platform-1								
			2	15.60	1.10	0.20	6.86		
			2	3.80	1.10	0.20	1.67		
			1	13.50	3.20	0.20	8.64		
	West side		1	15.15	1.00	0.15	2.27		
	East side		1	15.15	1.20	0.15	2.73		
			1	4.70	0.75	0.15	0.53		
	Deduct tree openings		-1	2.46	2.34	0.20	-1.15		
			-1	2.44	2.40	0.20	-1.17		
			-1	0.60	0.60	0.20	-0.07		
			-1	0.60	0.60	0.20	-0.07		
	Platform-2								
			2	11.10	1.10	0.20	4.88		
			2	3.20	1.10	0.20	1.41		
			1	9.30	3.20	0.20	5.95		
	North side		1	12.20	1.20	0.20	2.93		
	front flooring		1	3.65	1.62	0.20	1.18		
	side wall		2	1.62	0.45	0.15	0.22		
			1	5.45	0.60	0.15	0.49		
	22 nd cross		2	33.50	0.20	0.10	6.70		
	Deduct		-1	2.40	2.16	0.20	-1.04		
			-1	0.60	0.85	0.20	-0.10		
							42.86		
					19.09	1.25	23.86	6000	143175
	Basic Rate As per CSR 2018-19		5194.00				19.00	5325.41	101184
	Add Area Weightage8%		415.52						
	Total Basic Rate		5609.52						
	Add +/- Tender Premium i.e,-5.47%		284.11						

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
	Total Rate		5325.41						
3	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum. with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.								
		Cum							
	Platform-1								
			2	14.90	0.90	0.75	20.12		
			2	3.10	0.90	0.75	4.19		
			2	14.33	(0.75+0.45)/2	1.50	25.79		
			2	3.00	(0.75+0.45)/2	1.50	5.40		
			1	14.48	4.50	0.30	19.55		
	West side		1	15.15	1.00	0.15	2.27		
	East side		1	15.15	1.20	0.15	2.73		
			1	4.70	0.75	0.15	0.53		
	platform		1	3.70	1.40	0.45	2.33		
			1	3.70	0.80	0.30	0.89		
			1	3.40	1.40	1.50	7.14		
	Deduct		-1	2.46	2.34	0.20	-1.15		
			-1	2.44	2.40	0.20	-1.17		
			-1	0.60	0.60	0.20	-0.07		
			-1	0.60	0.60	0.20	-0.07		
	Platform-2								
			2	11.10	0.90	0.75	14.99		
			2	3.20	0.90	0.75	4.32		
			2	10.10	(0.75+0.45)/2	1.50	18.18		
			2	3.30	(0.75+0.45)/2	1.50	5.94		
			1	2.10	1.20	1.80	4.54		
			0.5	1.80	1.20	0.90	0.97		
			1	1.80	1.20	0.90	1.94		
	North side		1	10.10	4.50	0.30	13.64		
			1	4.36	1.20	0.20	1.05		
	West		1	3.75	1.20	0.20	0.90		
			1	4.70	0.75	0.20	0.71		
	side wall		2	1.62	0.45	0.60	0.87		
			1	5.45	0.45	0.60	1.47		
	platform		1	4.25	1.42	0.20	1.21		
			1	4.25	0.50	0.20	0.43		
			2	2.10	1.90	0.30	2.39		
			1	3.60	1.38	0.30	1.49		
	Deck precast slab		2	0.45	1.25	0.30	0.34		
			4	2.10	0.65	0.30	1.64		
	Deduct								
			-1	2.40	2.16	0.30	-1.56		
			-1	0.60	0.60	0.30	-0.11		
							163.80	9000	1474211

Sl	Description	Unit	No	L	B	D	Qty	Rate	Amt
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500								
		MT							
			As per premeasurement				9.64	90000	867366
5	Providing and laying flooring and steps machine cut granite slabs 40mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, labour, curing complete as per specifications. Specification								
		Sqm							
			Not executed				0.00	150.00	0
6	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading								
		Cum							
			Qty as per Item No E-1				30.06		
			Qty as per Item No E-2				136.37		
							166.43	150.00	24964
E-1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(140/18.47)								
		Cum							
	Karekallu		1	10.00	4.00	0.30	12.00		
	Bhuvaneswary nagara		1	14.00	4.30	0.30	18.06		
							30.06	921.74	27708
	Basic Rate As per CSR 2018-19		899.00						
	Add Area Weightage8%		71.92						
	Total Basic Rate		970.92						
	Add +/- Tender Premium i.e,-5.47%		49.18						
	Total Rate		921.74						
E-2	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. in hard soil.(6/2.4)								
		Cum							
	Platform-1		2	15.60	1.30	1.50	60.84		
			1	3.80	1.30	1.50	7.41		
			2	3.80	1.30	1.00	9.88		

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
	Platform-2		2	11.10	1.30	1.00	28.86		
			2	3.20	1.30	1.00	8.32		
			1	12.20	0.75	1.10	10.07		
			1	4.25	1.95	1.10	9.12		
			1	5.45	0.45	0.60	1.47		
			1	1.50	0.45	0.60	0.41		
							136.37	460.36	6277
	Basic Rate As per CSR 2018-19		449.00						
	Add Area Weightage8%		35.92						
	Total Basic Rate		484.92						
	Add +/- Tender Premium i.e,-5.47%		24.56						
	Total Rate		460.36						
E-3	KSRB15-5 : Providing rough cement plastering 15mm thick in single coat with cement mortar to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.cement mortar 1:4(117/15.30)								
		Sqm							
	Platform-1								
			1	14.40	(1.82+.9)/2	1.36	19.58		
			1	14.40		0.75	10.80		
			1	5.45	(1.82+1)/2	1.41	7.68		
			1	5.45		0.90	4.91		
	Around tree		2	11.52		0.56	12.90		
			2	11.44		0.56	12.81		
			2	3.00		0.45	2.70		
			2	2.70		0.45	2.43		
	out side		1	6.62		1.10	7.28		
			1	3.72		0.25	0.93		
	in side		2	3.35		0.90	6.03		
			1	3.60		0.90	3.24		
			1	3.72		0.18	0.67		
			4	1.20		0.18	0.86		
			4	0.18		0.87	0.63		
	Platform-2								
			2	10.10		1.10	22.22		
			2	5.30		1.10	11.66		
	Around tree		1	10.60		0.56	5.94		
			1	2.70		0.56	1.51		
	out side		1	6.28		1.10	6.91		
			1	3.67		0.23	0.84		
	in side		2	3.08		0.90	5.54		
			1	2.82		0.90	2.54		
			1	3.69		0.20	0.74		
			4	1.08		0.20	0.86		
			4	0.20		0.90	0.72		
							152.94	210.19	32147
	Basic Rate As per CSR 2018-19		205.00						
	Add Area Weightage8%		16.40						
	Total Basic Rate		221.40						
	Add +/- Tender Premium i.e,-5.47%		11.21						
	Total Rate		210.19						

S.No	Description	Unit	No	L	B	D	Qty	Rate	Amt
	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM etc., complete as per specification (111/14.58)								
		Sqm							
	Platform-1								
	Top		1	15.08	5.30		79.92		
	Landing		1	1.94	1.12		2.17		
	Steps		9	0.75	0.33		2.23		
	Flooring of plat form		1	0.95	0.75		0.71		
			1	1.20	0.90		1.08		
			2	0.95	1.20		2.28		
			1	1.20	1.20		1.44		
			1	1.20	0.25		0.30		
	Deduct		-1	2.80	0.90		-2.52		
			-1	2.80	2.92		-8.18		
			-1	0.90	0.90		-0.81		
			-1	0.90	0.90		-0.81		
			-1	1.45	3.72		-5.39		
	Platform-2								
	flooring		1	10.58	4.55		48.14		
	landing		1	2.20	1.20		2.64		
	steps		6	1.20	0.33		2.38		
	north side		1	4.36	1.20		5.23		
			1	3.75	1.20		4.50		
	west side		1	4.25	1.42		6.04		
			1	4.25	0.50		2.13		
			3	0.90	0.25		0.68		
	Deduct		-1	2.56	2.88		-7.37		
			-1	1.00	1.00		-1.00		
							135.78	3561.89	483619
	Basic Rate As per CSR 2018-19		3474.00						
	Add Area Weightage8%		277.92						
	Total Basic Rate		3751.92						
	Add +/- Tender Premium i.c,-5.47%		190.03						
	Total Rate		3561.89						
E-5	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specification.(110/14.49)								
		Sqm							
	Platform-1								
			1	14.40	(1.82+.9)/2	1.36	19.58		
			1	14.40		0.75	10.80		
			1	5.45	(1.82+1)/2	1.41	7.68		

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
			1	5.45		0.90	4.91		
			1	11.52		0.56	6.45		
	Around tree		1	11.44		0.56	6.41		
			1	3.00		0.45	1.35		
			1	2.70		0.45	1.22		
			1	6.62		1.10	7.28		
	out side		1	3.72		0.25	0.93		
			2	3.35		0.90	6.03		
	in side		1	3.60		0.90	3.24		
			1	3.72		0.18	0.67		
			4	1.20		0.18	0.86		
			4	0.18		0.87	0.63		
	Platform-2		1	10.28		1.10	11.31		
			1	10.28		1.25	12.85		
			2	5.45		1.10	11.99		
			1	4.25		0.15	0.64		
			3	1.92		0.15	0.86		
			1	10.88		0.54	5.88		
	Around tree		1	3.00		0.54	1.62		
			1	3.69		1.05	3.87		
	out side		2	0.90		0.90	1.62		
			4	0.20		0.90	0.72		
			2	3.08		0.90	5.54		
	in side		1	2.82		0.90	2.54		
							137.48	3631.61	4992
	Basic Rate As per CSR 2018-19		**3542.00**						
	Add Area Weightage8%		283.36						
	Total Basic Rate		**3825.36**						
	Add +/- Tender Premium i.e,-5.47%		193.75						
	Total Rate		**3631.61**						
E-6	Providing half nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM etc., complete as per specification(111/14.54)								
		Rmt							
	Platform-1								
			2	14.40			28.80		
			2	5.45			10.90		
			4	3.72			14.88		
			4	1.80			7.20		
	Platform-2								
		Rmt	2	10.28			20.56		
			2	4.25			8.50		
	top slab		4	3.72			14.88		
			4	1.80			7.20		
							112.92	369.11	41680
	Basic Rate As per CSR 2018-19		**360.00**						
	Add Area Weightage8%		28.80						
	Total Basic Rate		**388.80**						
	Add +/- Tender Premium i.e,-5.47%		19.69						
	Total Rate		**369.11**						

	Description	Unit	No	L	B	D	Qty	Rate	Amt
	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS (131/16.4)								
		Sqm							
	Platform-1								
			1	14.40	(1.82+0.90)/2	1.36	19.58		
			1	14.40		0.75	10.80		
			1	5.45	(1.82+1.00)/2	1.41	7.68		
			1	5.45		0.90	4.91		
	Platform-2								
			1	10.28		1.10	11.31		
			1	10.28		1.25	12.85		
			2	5.45		1.10	11.99		
			1	4.25		0.15	0.64		
			3	1.92		0.15	0.86		
	Around tree		1	10.88		0.54	5.88		
			1	3.00		0.54	1.62		
	out side		1	3.69		1.05	3.87		
			2	0.90		0.90	1.62		
			4	0.20		0.90	0.72		
	in side		2	3.08		0.90	5.54		
			1	2.82		0.90	2.54		
							102.41	5.13	525
	Basic Rate As per CSR 2018-19		5.00						
	Add Area Weightage8%		0.40						
	Total Basic Rate		5.40						
	Add +/- Tender Premium i.e,-5.47%		0.27						
	Total Rate		5.13						
E-8	Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1:5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc complete as per specification with all lead and lift and as per the directions of the Engineer incharge Data rates								
		Sqm							
			2	36.30	0.90		65.34		
							65.34	1526.66	99752
	Basic Rate As per CSR 2018-19		1615.00						
	Add Area Weightage8%		0.00						
	Total Basic Rate		1615.00						
	Add +/- Tender Premium i.e,-5.47%		88.34						
	Total Rate		1526.66						
E-9	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1(7/2.12)								
		Cum							
	Platform-1								
			1	13.40	3.5	0.45	21.11		
			2	2.40	2.5	0.6	3.60		

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
	Platform-2								
			1	9.35	3.35	0.45	14.10		
			2	2.10	2.4	0.6	3.02		
							41.82	413.20	17282
	Basic Rate As per CSR 2018-19			403.00					
	Add Area Weightage8%			32.24					
	Total Basic Rate			435.24					
	Add +/- Tender Premium i.e,-5.47%			22.04					
	Total Rate			413.20					
E-10	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM etc., complete as per specification (112/14.56)								
		Rmt							
	Platform-1								
			2	2.80			5.60		
			2	2.90			5.80		
			2	2.92			5.84		
			2	2.80			5.60		
			1	2.70			2.70		
			1	2.70			2.70		
			9	1.05			9.45		
			2	6.62			13.24		
			4	1.10			4.40		
			6	0.90			5.40		
			6	1.20			7.20		
			1	3.72			3.72		
			13	0.30			3.90		
	Platform-2								
			2	2.56			5.12		
			2	2.88			5.76		
			1	2.70			2.70		
			6	1.53			9.18		
			2	3.69			7.38		
			8	1.05			8.40		
			8	0.90			7.20		
			1	3.69			3.69		
			6	0.33			1.98		
			1	4.25			4.25		
			1	12.17			12.17		
							143.38	184.55	264
	Basic Rate As per CSR 2018-19			180.00					
	Add Area Weightage8%			14.40					
	Total Basic Rate			194.40					
	Add +/- Tender Premium i.e,-5.47%			9.85					
	Total Rate			184.55					
E-11	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 with solid concrete blocks of size 400x150x200mm (27/5.26.2)								

Description	Unit	No	L	B	D	Qty	Rate	Amt
	Sqm							
Platform-1		2	2.80		0.45	2.52		
		2	2.50		0.45	2.25		
		2	2.92		0.45	2.63		
		2	2.40		0.45	2.16		
Platform-2								
		2	2.50		0.45	2.25		
		2	2.80		0.45	2.52		
		1	3.00		0.45	1.35		
Near drain		2	2.50		0.6	3.00		
22 nd cross		2	36.30		0.2	14.52		
						33.20	947.38	31451
Basic Rate As per CSR 2018-19		924.00						
Add Area Weightage8%		73.92						
Total Basic Rate		997.92						
Add +/- Tender Premium i.e,-5.47%		50.54						
Total Rate		947.38						

E-12 KSRB 5-15: Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4(27/5.28)

	Sqm							
Platform-1								
		1	2.70		0.45	1.22		
		1	2.70		0.45	1.22		
		1	3.70		0.9	3.33		
		4	1.20		0.9	4.32		
Platform-2								
		1	3.70		0.9	3.33		
		4	1.05		0.9	3.78		
						17.19	831.52	14294
Basic Rate As per CSR 2018-19		811.00						
Add Area Weightage8%		64.88						
Total Basic Rate		875.88						
Add +/- Tender Premium i.e,-5.47%		44.36						
Total Rate		831.52						

E-13 KSRB 8.1 : Providing and fixing in position stone slab roofing 10 to 12 cms thick laid to line and level over wooden rafters or R.C.C. battens, pointing exposed joints with cement mortar 1:4 including cost of materials, labour, curing complete as per specifications. (wooden rafters and R.C.C. battens to be paid seperately) Specification No. KBS(49/8.1)

	Rmt							
Platform-1								
		6	1.20		0.60	4.32		
		3	1.35		0.60	2.43		
		16	0.23		0.15	0.55		
Platform-2								
		6	1.20		0.60	4.32		
		3	1.35		0.60	2.43		

Sl No	Description	Unit	No	L	B	D	Qty	Rate	Amt
			16	0.23		0.15	0.55		
							14.60	1187.30	17
	Basic Rate As per CSR 2018-19		1158.00						
	Add Area Weightage8%		92.64						
	Total Basic Rate		1250.64						
	Add +/- Tender Premium i.e,-5.47%		63.34						
	Total Rate		1187.30						
E-14	KSRB 5-8.3 : Providing three line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13(26/5.19)								
		Sqm							
	Platform-1								
			12	1.20		0.60	8.64		
			12	1.20		0.10	1.44		
			12	0.60		0.10	0.72		
			6	1.35		0.60	4.86		
			6	1.35		0.10	0.81		
			6	0.60		0.10	0.36		
	Platform-2								
			12	1.20		0.60	8.64		
			12	1.20		0.10	1.44		
			12	0.60		0.10	0.72		
			6	1.35		0.60	4.86		
			6	1.35		0.10	0.81		
			6	0.60		0.10	0.36		
							33.66	2144.93	72
	Basic Rate As per CSR 2018-19		2092.00						
	Add Area Weightage8%		167.36						
	Total Basic Rate		2259.36						
	Add +/- Tender Premium i.e,-5.47%		114.43						
	Total Rate		2144.93						
							Sub Total Rs		40
							12% GST		4
								Total Rs	45

CERTIFICATE:-

1) The above modified estimate has been prepared as per PWD Bangalore circle SR 2016-17 & CSR 2018-19 &Issued Rates on 01.01.20

2) The work spot has been inspected by me & prepared the modified estimate in most economical way of executing the work.

3) The Area comes under BBMP.
4) The work is not split up.
5) The above work is not included in any of the other programme

Assistant Engineer
Ward No 14

Asst Executive Engineer
Dasarahalli Sub Division

Executive Engineer
Dasarahalli Division, BBM

Technically Sanctione for Rs. 40.37 lakhs/-
Rs. In words Rs. Forty lakhs Thirty Seven thousand Four Hundred & Six only
Under P-1771
Job Code No 014-20-000010
Registered as CE No. 33/24.22 Subject to conditions contained in Enclosed Memo No CE/DZ.ITS/33/2024-22 Dt. 26/11/2024
AE/JE: TA